Date: User: Job Number This Issue Prsht Rev. First Issue Previous Run Written By Comment

Tuesday, 14/10/2008 10:20:03 AM

Julie Lecocq

Process Sheet

Customer

: CU-DAR001 Dart Helicopters Services

S.O. No. :

: 42561 : 13314

Estimate Number

P.O. Number

: 14/10/2008

: NC

: //

: 40920

Type

: SMALL /MED FAB

Part Number

Drawing Name

: D412769044

: N/A

: B

Drawing Number

· D412-769-2 REVB

: AFT FACING SEAT ASS'Y RH

Project Number

Drawing Revision

Material **Due Date**

: 21/10/2008

Qtv:

1 Um:

Each

Checked & Approved By

new issue DD verified by:ec : Est rev A

Est Rev:B 08-07-17 revB as per dwg DD verified by:ec

Est Rev:C 08-08-21 move D3792-1 after powder coat DD verified

by:EC

Additional Product

Job Number:



Seq. #:

Machine Or Operation:

Description:

1.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Pick Packing Kit

2.0

3.0

D3782045

Back Leg Assembly



Comment: Qty.:

2.0000 Each(s)/Unit Total:

2.0000 Each(s)



batch:

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Front Inboard Leg Assembly

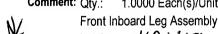


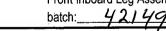
Comment: Qty.:

1.0000 Each(s)/Unit

Total:

1.0000 Each(s)





FF 08/10/23 (

D3782044

Front Outboard Leg Assembly, RH



Comment: Qty.:

1.0000 Each(s)/Unit Front Outboard Leg Assembly, RH

Total:

1.0000 Each(s)

D3783041

00/10/23

Lateral Brace Assembly



Comment: Qty.:

1.0000 Each(s)/Unit Total:

1.0000 Each(s)

Lateral Brace Assembly batch:

	Dart	Aero	space	Ltd
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W/O:			WO	RK ORDER CHANG	ES				•
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D.47F		Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
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Tuesday, 14/10/2008 10:20:04 AM Date: User: Julie Lecoca **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y RH Customer: CU-DAR001 Dart Helicopters Services Job Number: 42561 Part Number: D412769044 Job Number: Seq. #: Machine Or Operation: Description: D3783043 Longitudinal Brace Assembly Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Longitudinal Brace Assembly B42640 batch: D3783045 7.0 Angle Brace Assembly Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Angle Brace Assembly 8/10/21 batch: D3784041 8.0 Seat Support Assembly, Center Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, Center FF 08/10/23 batch: D3784043 9.0 Seat Support Assembly, LH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, LH 49290 batch: 10.0 D3784044 Seat Support Assembly, RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Support Assembly, RH batch: 11.0 D37662 Front Rail, RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Front Rail 1340864 batch: 12:0 D37663 Rear Rail Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Rear Rail B46265 batch:

Form: rprocess

Page 2

Dart Aerospace I

W/O:			W	ORK ORDER CHANG	ES			
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Date: Tuesday, 14/10/2008 10:20:04 AM User: 1 Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y RH Customer: CU-DAR001 Dart Helicopters Services Job Number: 42561 Part Number: D412769044 Job Number: Seq. #: Description: **Machine Or Operation:** D37671 13.0 Upper Rail Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Upper Rail 40866 batch: 14.0 Bolt Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Bolt 8/10/21 4108868 batch: 15.0 EYE BOLT Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) **EYE BOLT** 08/10/23 16.0 Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s) Bolt U108990 batch: Bolt 17.0 AN513A Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Bolt Washer 18.0 Comment: Qty.: 21.0000 Each(s)/Unit Total: 21.0000 Each(s) Washer 11109057 batch: (or NAS1149D0363J) batch: AN960JD416 Washer 19.0 Comment: Qty.: 4.0000 Each(s)/Unit Total: 4.0000 Each(s) Washer batch: M108827 8/wh (or NAS1149D0463J) batch: Page 3

Dart	Aeros	pace	Ltd

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No: ______ PAR #: ____ Fault Category: _____ NCR: Yes No DQA: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
		Description of NC		Corrective Action Section B		Verification	Approval	Approval
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Tuesday, 14/10/2008 10:20:04 AM Date: User: ' Julie Lecocq **Process Sheet** Customer: CU-DAR001 Dart Helicopters Services Drawing Name: AFT FACING SEAT ASS'Y RH Job Number: 42561 Part Number: D412769044 Job Number: Seq. #: Description: Machine Or Operation: AN960JD516 20.0 Washer Comment: Qty.: 20.0000 Each(s)/Unit Total: 20.0000 Each(s) Washer M169059 (or NAS1149D0568J) batch: 21.0 AN52510R24 Screw Comment: Qty.: 9.0000 Each(s)/Unit Total: 9.0000 Each(s) Screw U168879 batch: 22.0 MS21042L3 Nut Comment: Qty.: 9.0000 Each(s) 9.0000 Each(s)/Unit Total: Nut batch: MS21042L4 Nut 23.0 Comment: Qty.: Total: 2.0000 Each(s) 2.0000 Each(s)/Unit Nut batch:// MS21042L5 Nut 24.0 Comment: Qty.: 12.0000 Each(s)/Unit 12.0000 Each(s) Total: batch: 1088 25.0 Comment: SMALL & MEDIUM FAB RESOURCE 1 FF 08/10/23 1- assemble as per dwg D412-769-2 26.0 QC5 INSPECT WORK TO CURRENT STEP Comment: INSPECT WORK TO CURRENT STEP Page 4

Form: rprocess

Dart Ae	rospace	Ltd
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W/O:			WO	RK ORDER CHANGE	ES				
DATE	STEP	PRO	OCEDURE CHAN		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	s No DQ	A :	Date: _	
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Tuesday, 14/10/2008 10:20:04 AM Date: User: Julie Lecoca **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y RH Customer: CU-DAR001 Dart Helicopters Services Job Number: 42561 Part Number: D412769044 Job Number: Seq. #: Description: **Machine Or Operation:** POWDER COATING 27.0 POWDER COATING 11106442 Comment: POWDER COATING 1- mask D3782-041 and D3782-043 front legs and D3787-1 foot as per dwg D412-769-041 2- install bolts in 3 place (in seat belt eye bolt holes) to ensure leg does not move when powder coating 3- Powder coat remainig of assembly grey as per dwg D412-769-2 Powder Coat Grey Sandtex (Ref: 4.3.5.6) as per QSI 005 4.3 START TIME: 7:30AM OVEN TEMPERATURE: 320°F FINISH TIME: 28.0 QC3 INSPECT POWDER COAT/CHEMICAL CONVERSION Comment: INSPECT POWDER COAT/CHEMICAL CONVERSION 29.0 PACKAGING RESOURCE #1 Comment: PACKAGING RESOURCE #1 Pick Packing Kit 30.0 D37921 Seat Belt Eye Bolt Comment: Qty.: 3.0000 Each(s)/Unit Total: 3.0000 Each(s) FF 08/10/29 Seat Belt Eye Bolt D37751 Guard Comment: Qty.: 2.0000 Each(s)/Unit Total: 2.0000 Each(s) Guard B40869 batch: 32.0 D37741 Seat Bottom, LH/RH Comment: Qty.: 1.0000 Each(s)/Unit Total: 1.0000 Each(s) Seat Bottom, LH

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W/O:		WORK ORDI	ER CHANGES					
DATE	STEP	PROCEDURE CHANGE	9	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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Part No	:	PAR #: Fault Category:	NC	R: Yes	No DQ	۸:	Date:	

Resolution: _____ Disposition: ____ QA: N/C Closed: ____ Date: ____

NCR:		WORK ORDER NON-CONFORMANCE (NCR						
		Description of NC		Corrective Action Section B		Verification	Anneous	Ammuossal
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Date: Tuesday, 14/10/2008 10:20:04 AM User: ` Julie Lecocq **Process Sheet** Drawing Name: AFT FACING SEAT ASS'Y RH Customer: CU-DAR001 Dart Helicopters Services Job Number: 42561 Part Number: D412769044 Job Number: Seq. #: Machine Or Operation: Description: 33.0 D37743 Seat Back, LH/RH Comment: Qty.: Total: 1.0000 Each(s) AN525 10R22 34.0 Screw Comment: Qty.: 13.0000 Each(s)/Unit Total: 13.0000 Each(s) Screw batch: 35.0 Washer Comment: Qty.: Total: 13.0000 Each(s)/Unit 13.0000 Each(s) Washer batch:_ (or NAS1149D0332J) batch MS21042L3 Nut 36.0 Comment: Qty.: 19.0000 Each(s)/Unit Total: 19.0000 Each(s) Nut batch: 1090 AN35A Bolt 37.0 Comment: Qty.: 6.0000 Each(s)/Unit Total: 6.0000 Each(s) Bolt 38.0 SMALL & MEDIUM FAB RESOURCE 1 Comment: SMALL & MEDIUM FAB RESOURCE 1 08/10/28 1- install remaining parts as per dwg D412-769-2 INSPECT WORK TO CURRENT STEP 39.0 QC5 Comment: INSPECT WORK TO CURRENT STEP

Form: rprocess

Page 6

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W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
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NCR:			WORK ORDE	R NON-CONFORMA	ANCE (NC	R)	***		
DATE	STEP	Description of NC	Corrective Action Section B			Verification		Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat		ion C	Chief Eng	QC Inspector

Date: User:

Tuesday, 14/10/2008 10:20:04 AM

Julie Lecocq

Process Sheet

Customer: CU-DAR001 Dart Helicopters Services

Drawing Name: AFT FACING SEAT ASS'Y RH

Job Number: 42561

Part Number: D412769044

Job Number:



Seq. #:

Machine Or Operation:

Description:

40.0

PACKAGING 1

PACKAGING RESOURCE #1



Comment: PACKAGING RESOURCE #1

Identify and Stock

Location:

PPP 42987

41.0

QC21

FINAL INSPECTION/W/O RELEASE



Comment: FINAL INSPECTION/W/O RELEASE

Job Completion



Dart Aerospace L	∟ta
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W/O:			W	ORK ORDER CHANG	GES					
DATE	STEP	PRC	OCEDURE CHA	ANGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	egory:	NCR: \	es N	o DQ	A:	_ Date: _	
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DATE	STEP	Description of NC Section A	Initial	Action Description		gn &	Verific Secti		Approval Chief Eng	Approval QC Inspector
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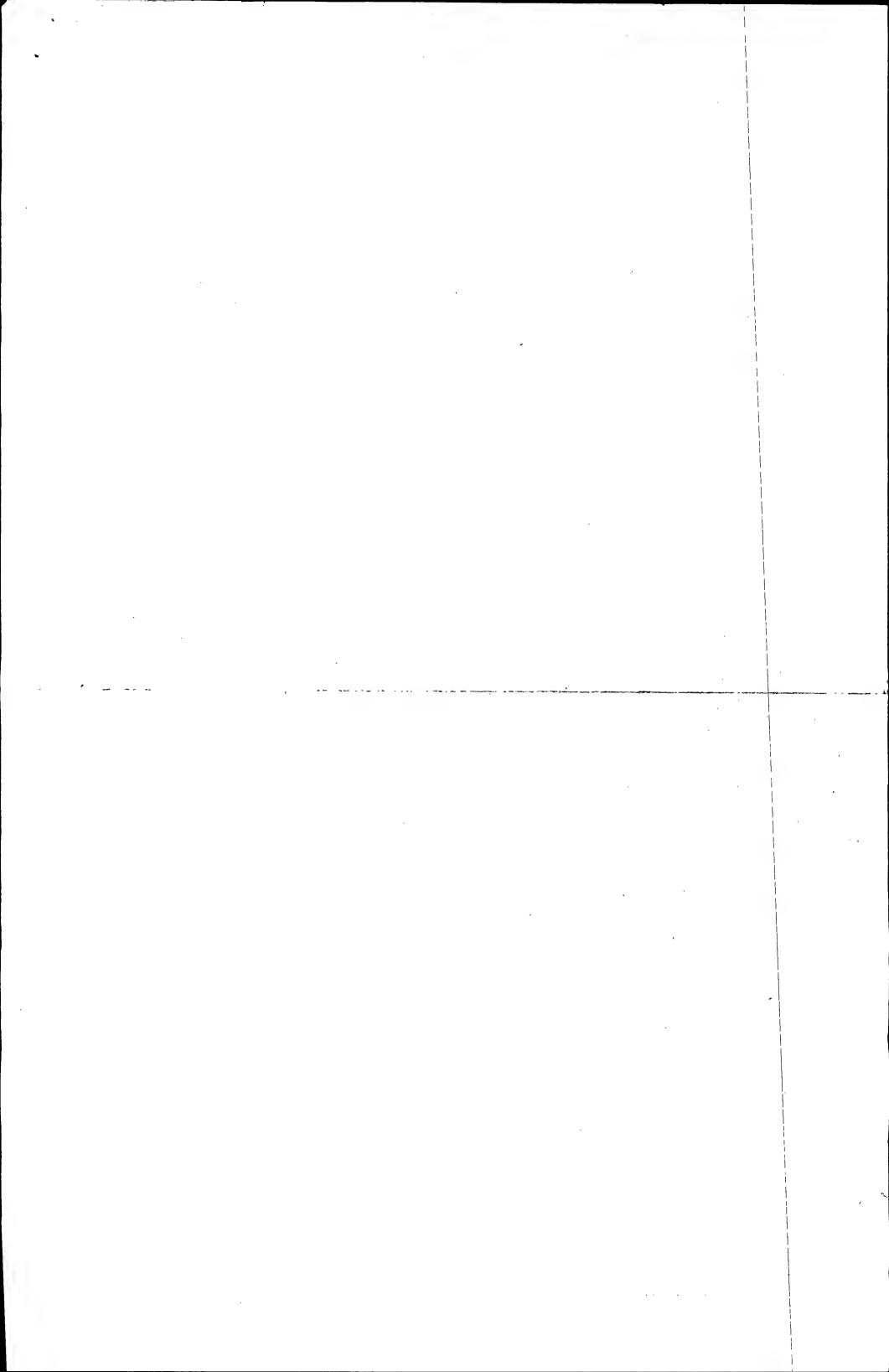
UNCONTROLLED COPY

SUBJECT TO AMENDMENT B NEW HARDWARE 08.06.25 NEW ISSUE Α HS 08.06.04 **D412-769-044 AFT FACING SEAT, RH** REV. DESCRIPTION DATE HS DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA DESIGN DRAWN CHECKED DRAWING NO. REV. B D412-769-2 MFG. APPR. SHEET 1 OF 7 TITLE APPROVED AFT FACING SEAT ASSY, RH NTS

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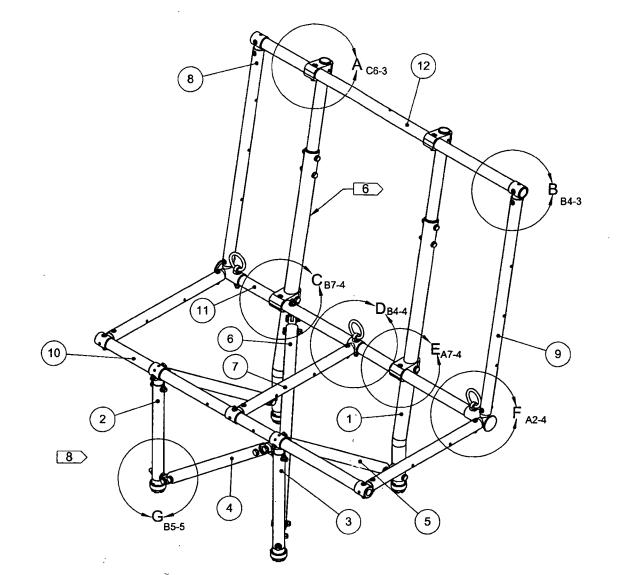
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ITEM NO.	PART NUMBER	DESCRIPTION	QTY. (-044)
1	D3782-045	BACK LEG ASSY	2
2	D3782-041	FRONT INBOARD LEG ASSY	1
3	D3782-044	FRONT OUTBOARD LEG ASSY, RH	1
4	D3783-041	LATERAL BRACE ASSY	1
5	D3783-043	LONGITUDINAL BRACE ASSY	2
6	D3783-045	ANGLE BRACE ASSY	1
7	D3784-041	SEAT SUPPORT ASSY	1
8	D3784-043	SEAT SUPPORT ASSY, LH	1
9	D3784-044	SEAT SUPPORT ASSY, RH	1
10	D3766-2	FRONT RAIL, RH	1
11	D3766-3	REAR RAIL	1
12	D3767-1	UPPER RAIL	1
13	D3792-1	SEAT BELT EYE BOLT	3
14	D3775-1	GUARD	2
15	D3774-1	SEAT BOTTOM	1
16	D3774-3	SEAT BACK	1
17	AN3-5A	BOLT	6
18	AN4-15A	BOLT	2
19	AN45-13A	EYE BOLT	1
20	AN5-10A	BOLT	6
21	AN5-13A	BOLT	2
22	AN525-10R22	SCREW	13
23	AN525-10R24	SCREW	9
24	MS21042L3	NUT	28
25	MS21042L4	NUT	2
26	MS21042L5	NUT	12
27	NAS1149D0332J	WASHER (AN960JD10L)	13
28	NAS1149D0363J	WASHER (AN960JD10)	21
29	NAS1149D0463J	WASHER (AN960JD416)	4
30	NAS1149D0568J	WASHER (AN960JD516)	20



D412-769-044 AFT FACING SEAT, RH

RETURN TO **ENGINEERING** UNCONTROLLED COPY SUBJECT TO AMENDMENT WITHOUT POTICE
WORK ORDER
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CHECKED	e4	DRAWING NO.	REV. B
MFG. APPR.	MÓ	D412-769-2	SHEET 2 OF 7
APPROVED	100	TITLE	SCALE
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AFT FACING SEAT ASSY, RH NTS

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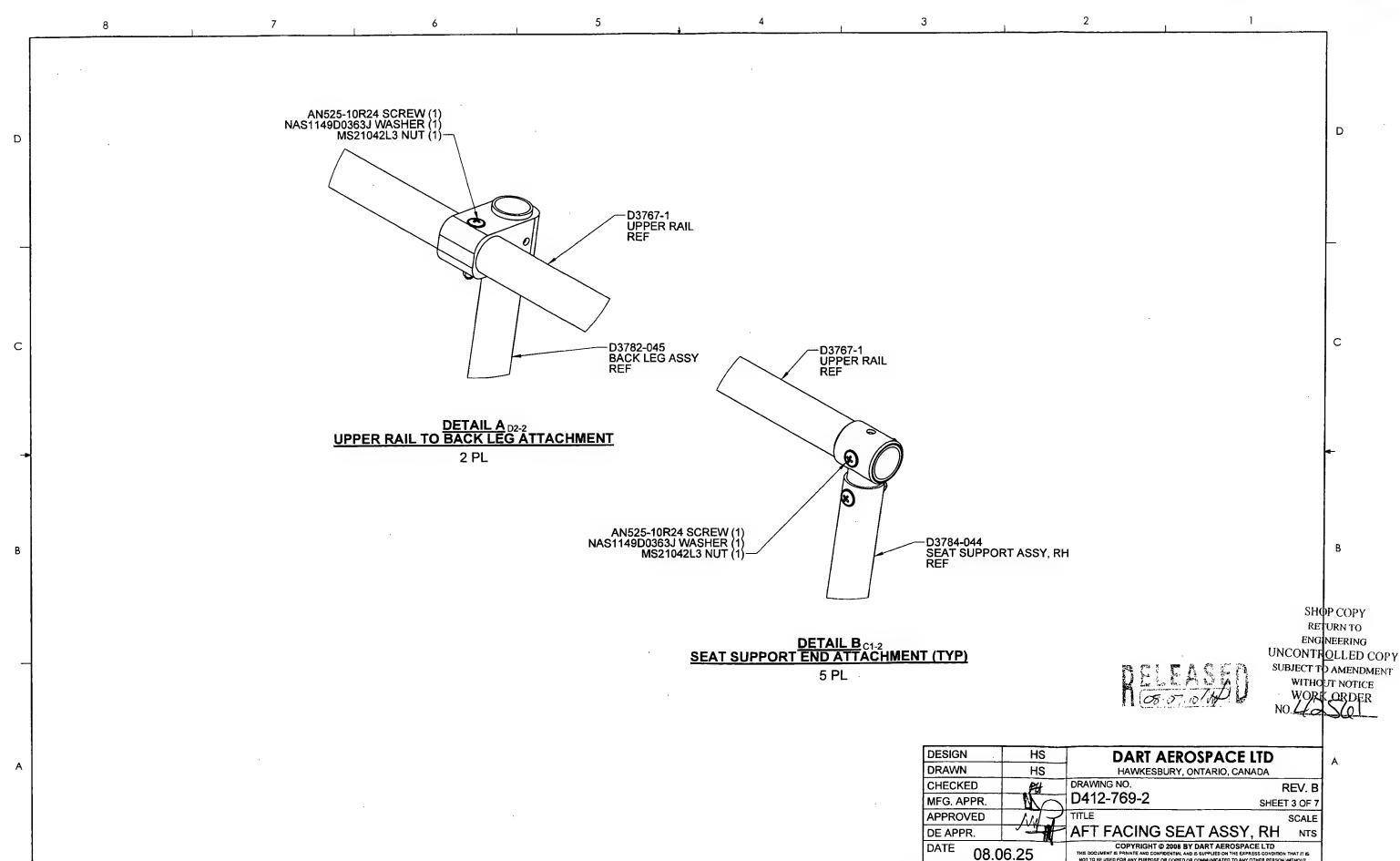
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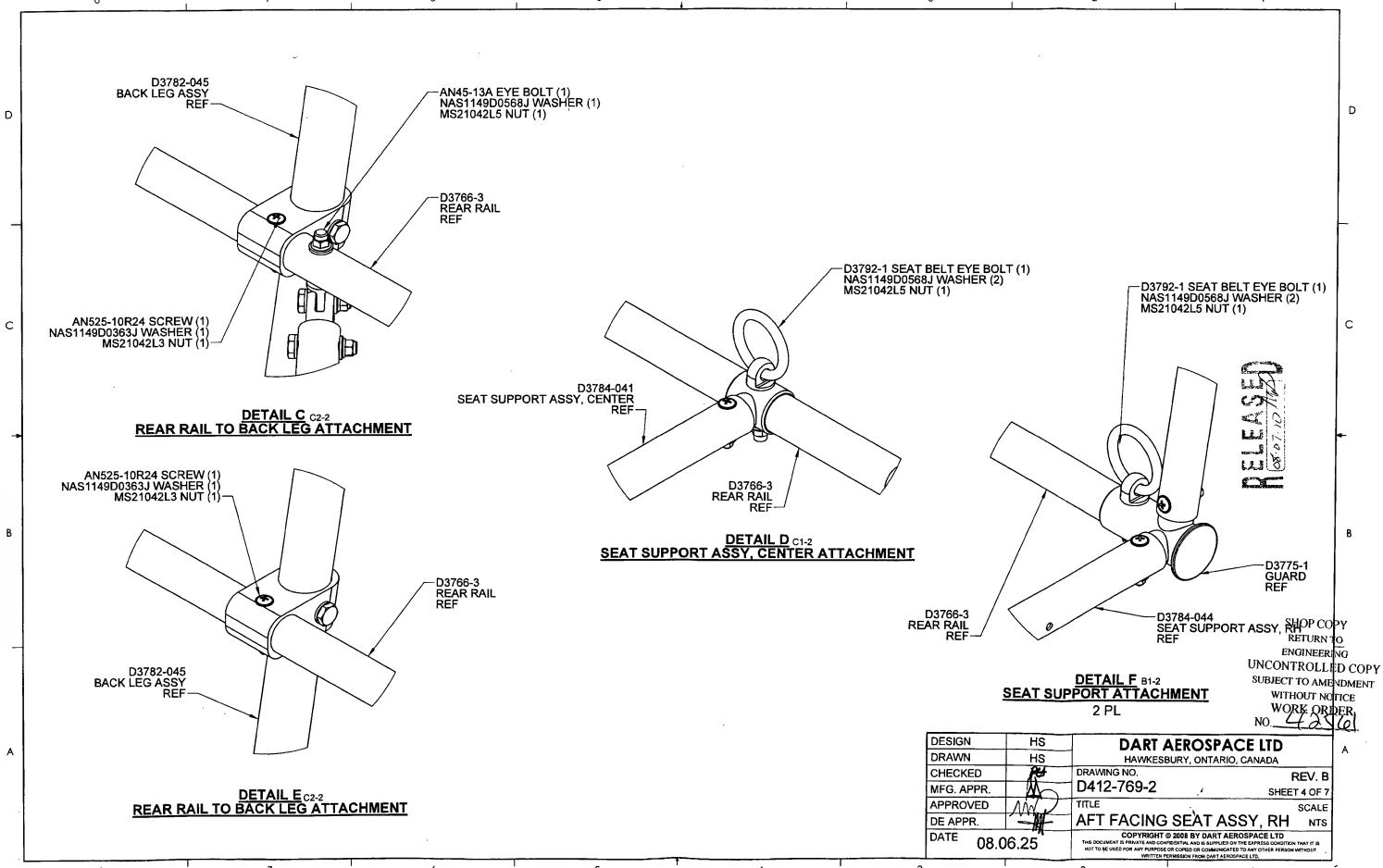
1) MATERIAL: N/A
2) FINISH: POWDER COAT "GREY SANDTEX" (4.3.5.6) PER DART QSI 005 4.3 PRIOR TO
INSTALLATION OF SEAT BOTTOM/BACK (D3774-1, -3). MASK FRONT LEGS PRIOR TO POWDER COAT
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: IDENTIFY WITH D2729-1 RED DECAL ATTACHED TO BACK LEG ASSEMBLY (D3782-045)

7) WEIGHT: 30.0 lbs

8) ITEM 15 (D3774-1 SEAT BOTTOM) AND ITEM 16 (D3774-3 SEAT BACK) REMOVED FOR CLARITY

08.06.25





- D3782-041 FRONT INBOARD LEG ASSEMBLY REF -- D3783-041 BRACE ASSEMBLY REF AN5-10A BOLT (1) NAS1149D0568J WASHER (2) MS21042L5 NUT (1)-<u>DETAIL G_{B3-2}</u> BRACE ATTACHMENT 6 PL SHOP COPY
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WITHOUT NOTICE
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NO. (C)

DESIGN	HS	DART AEROSPACE LTD			
DRAWN	HS	HAWKESBURY, ONTARIO, CANADA			
CHECKED	R	DRAWING NO. REV. B			
MFG. APPR.	M C	D412-769-2 SHEET 5 OF 7			
APPROVED	Single	TITLE SCALE			
DE APPR.	#	AFT FACING SEAT ASSY, RH NTS			
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